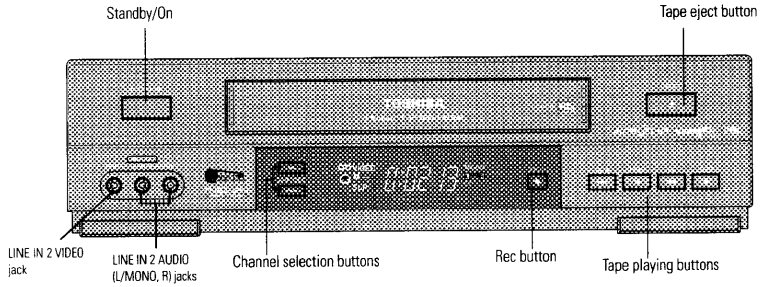
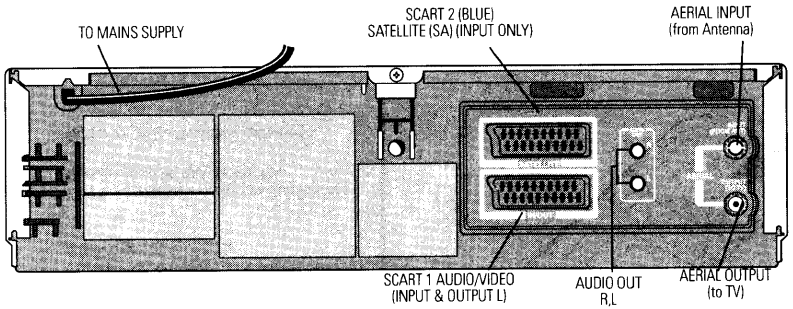
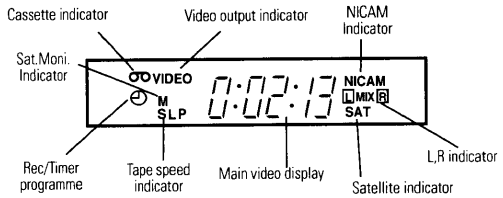
General Identification of the VTR Controls

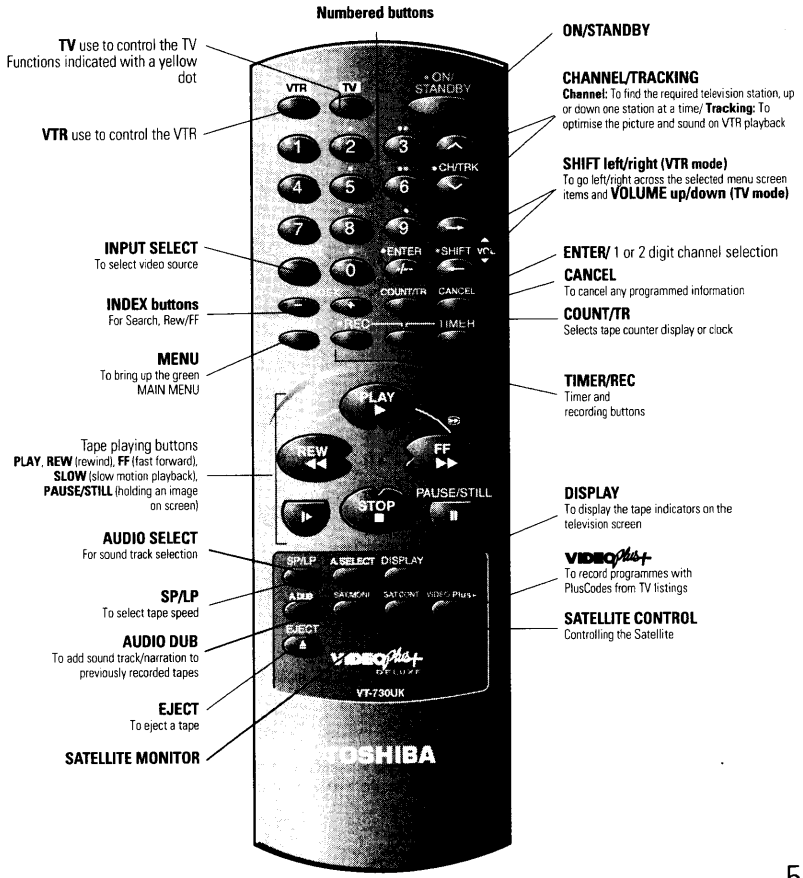



TO MAINS SUPPLY
SCART 2 (BLUE) SATELLITE (SA) (INPUT ONLY)
AERIAL INPUT (from Antenna)
SCART 1 AUDIO/VIDEO (INPUT & OUTPUT L)
AUDIO OUT R,L
AERIAL OUTPUT (to TV)



Your Remote Control

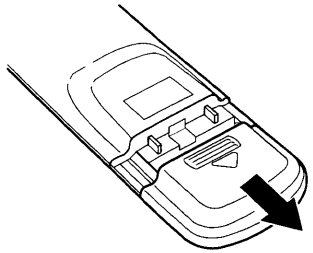
The illustration below is to show a quick guide to the Remote Control. Detailed instructions occur throughout the book.


Numbered buttons
TV use to control the TV Functions indicated with a yellow dot
VTR use to control the VTR
INPUT SELECT
To select video source
INDEX buttons
For Search, Rew/FF
MENU
To bring up the green MAIN MENU
Tape playing buttons
PLAY, REW (rewind), FF (fast forward), SLOW (slow motion playback), PAUSE/STILL (holding an image on screen)
AUDIO SELECT
For sound track selection
SP/LP
To select tape speed
AUDIO DUB
To add sound track/narration to previously recorded tapes
EJECT
To eject a tape
SATELLITE MONITOR
ON/STANDBY
CHANNEL/TRACKING
Channel: To find the required television station, up or down one station at a time/ Tracking: To optimise the picture and sound on VTR playback
SHIFT left/right (VTR mode)
To go left/right across the selected menu screen items and VOLUME up/down (TV mode)
ENTER/ 1 or 2 digit channel selection
CANCEL
To cancel any programmed information
COUNT/TR
Selects tape counter display or clock
TIMER/REC
Timer and recording buttons
DISPLAY
To display the tape indicators on the television screen
To record programmes with PlusCodes from TV listings
SATELLITE CONTROL
Controlling the Satellite
VT-730UK

Preparing your Remote Control

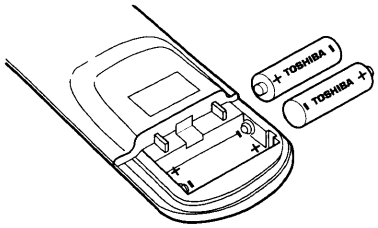
The Remote Control handset is needed to operate your new Toshiba video recorder. If used correctly, it should give years of trouble-free viewing. Please take good care of it, always observing the correct polarities when replacing the batteries.

Carefully open the battery compartment on the rear of the Remote Control by sliding in the direction of the arrow.



Insert both batteries taking care to observe the correct polarity (+ and –).

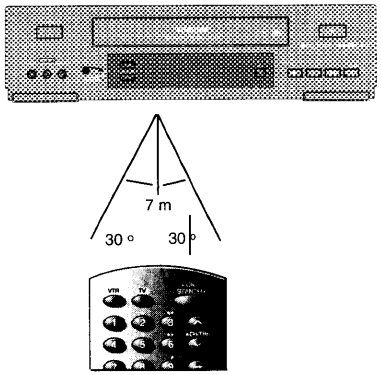
The 2 Toshiba batteries supplied are Cadmium- and Mercury-free (UM-4, AAA, IECR03, 1.5v).



Replace the cover of the battery compartment.

CAUTION:
DO NOT throw your batteries into a fire. Dispose of your batteries in a designated disposal area.
DO NOT mix an old battery with a new one.
DO NOT mix battery types.

For optimum performance your Remote Control will operate within a distance of 7 metres and up to 30° from the central position.



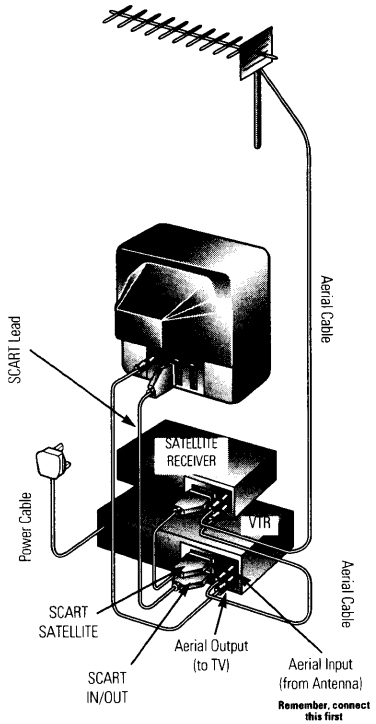
If the Remote Control does not work, press the VTR button and make sure the batteries are in good working order.

Connecting the Leads and Auto Set Up

When *first* connected to the mains electricity supply the VTR will automatically search and store TV stations in memory and also set the clock. But remember, you *must* connect the Aerial ***before*** connecting the VTR to the power supply.

Satellite users: Refer to section *SATELLITE CONTROL* starting on page 26.

REMEMBER:
DO NOT PLUG THE VTR INTO THE MAINS UNTIL *AFTER* YOU HAVE CONNECTED THE AERIAL CABLE AS SHOWN.



NOTE: WHERE POSSIBLE, ALWAYS CONNECT USING A SCART LEAD FOR IMPROVED SOUND AND PICTURE QUALITY.

1 Connect the Aerial Cable to the VTR (Aerial Input).

2 Connect another Aerial Cable from the VTR (Aerial Output) to the TV.

3 Connect a SCART Lead from the VTR to the TV as shown. Connecting via a SCART Lead will give better picture and sound quality. It will also enable the television to automatically switch over whenever a tape is played.

4 Connect the VTR to the power supply with the Power Cable.
The display on the VTR will flash 'AUTO' for about 2-4 minutes.

5 Now turn on the television.

If you have connected with a SCART Lead you will see various television stations appear and disappear on your television.

Now turn the page to continue the Auto Set Up...

If you get any problems contact the helpline...

Auto Set Up continued

After connecting the Leads as on *page 7* and Auto Set Up has run, *one* of the following screens will be displayed. **If not, select the AV channel on the television manually**. If you have not connected the VTR using a SCART Lead select the channel on the TV that you normally watch videos on and tune this channel until you find one of these screens. Store this channel and select it every time you watch a video.

Tuning into All Channels Found

For full details of tuning your TV, please refer to your TV Owner's Manual.

1 This screen will be displayed if **All Channels Found**. The numbers in the right hand column may be different.

Auto Set Up is now complete.

Press the MENU button twice on the Remote Control to automatically set the clock.

Go to *page 9, Checking the Auto Set Up.*

AUTO SET UP

	CH P.	CH
BBC1	1 :	22
BBC2	2 :	28
ITV	3 :	25
CH4	4 :	32
C5	5 :	30

Auto Set Up Now Completed
Press MENU to Exit And Automatically Set Clock

Tuning in - Some Channels Found

Channel 5 is only available in some areas of the country (and the reception may be poor). If Channel 5 is not stored in position 5 check to see if it is stored in 7 or above and use the Channel Swapping *function as detailed on* Page 10. *If Channel 5 has not been stored and all other channels have been, it is likely that channel 5 is not available in your area.*

2 This screen will be displayed if **Some Channels Found.**

The VTR has been unable to find the channels identified by the white flashing squares. They may be stored in positions 7 and above.

Press the MENU button and refer to *Channel Swapping on page 10.*

AUTO SET UP

	CH P.	CH
BBC1	1 :	22
BBC2	2 :	--
ITV	3 :	25
CH4	4 :	32
C5	5 :	--

Stations not identified
Check CH P.7 and above by pressing MENU

Tuning in - No Channels Found

If no channels are found the clock will not set automatically.

Press the MENU button and select CLOCK SET from the green MAIN MENU screen.

Using the number buttons on the Remote Control set the clock.

For single numbers press 0 first.
E.g. for April, which is 4, press 0 4.

Once the Date and Time have been set press the MENU button to exit.

3 This screen will be displayed if **No Channels Found.**

The VTR has been unable to find any channels.
Check that the Aerial is connected correctly and press the number button 0 on the Remote Control.

If no channels are found a second time, *see page 12, Manual Tuning.*

AUTO SET UP

	CH P.	CH
BBC1	1 :	--
BBC2	2 :	--
ITV	3 :	--
CH4	4 :	--
C5	5 :	--

Check aerial is connected and press 0 to try again

AUTO SET UP

	CH P.	CH
BBC1	1 :	22
BBC2	2 :	--
ITV	3 :	25
CH4	4 :	32
C5	5 :	--

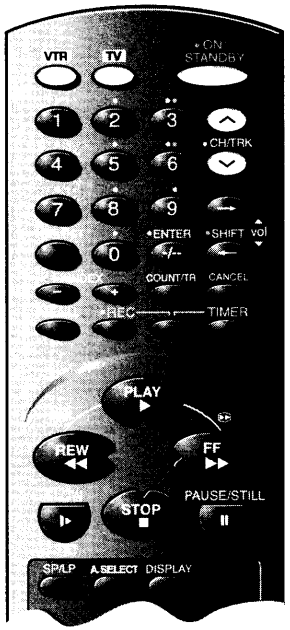
Still not working
Use manual tuning.
Press MENU to exit

...If you get any problems contact the helpline

Checking the Auto Set Up

It is important that you check Auto Set Up has stored the channels in the correct order on the VTR for the operation of VIDEOPlus+

Checking the Auto Set Up

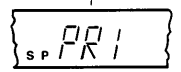


1 Turn on the TV and select the channel on which you watch videos.

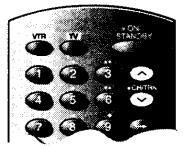
2 Now turn on the VTR.

3 Using the **CH/TRK** P Q buttons on the Remote Control, check that the order of the TV stations (the programme position number) stored on the VTR is as follows:

Programme position number



The programme position number will change as you press the **CH/TRK** P Q buttons.



Program Position	TV Station
1	BBC1
2	BBC2
3	ITV
4	Channel 4
5	Channel 5*
6	Satellite

(if you use a different order VIDEOPlus+ will not work)

Any other stations will be stored in program positions 7, 8, etc.

**Channel 5 is only available in some areas of the country (and the reception may be poor). If Channel 5 is not stored in position 5 check to see if it is stored in 7 or above and use the* Channel Swapping *function as detailed on* Page 10. *If Channel 5 has not been stored and all other channels have been it is likely that channel 5 is not available in your area.*

Note: *Regional variations* – from some areas of the country you may be able to receive broadcasts from more than one region.

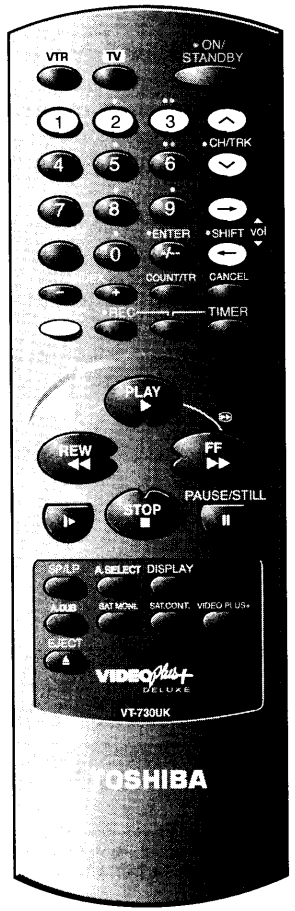
If your preferred regional broadcast is stored in position 7 or above please use the *Channel Swapping* facility as described on *page 10.*

THE SET UP IS NOW COMPLETE

You are now ready to PLAYBACK TAPES and MAKE RECORDINGS.
Refer to the *BASIC OPERATION* section which starts on *page 14.*

Channel Swapping

You only need to use this section if the VTR did not tune in all of the stations in Auto Set Up or if you want to select a different regional Broadcast on a channel position.



1 Press the MENU button on the Remote Control to select the green MAIN MENU.

MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING
Press 1 - 5 to select
Press MENU to exit

2 Press button 3 to select the blue INSTALLATION MENU.

INSTALLATION MENU
1 AUTO SET UP
2 MANUAL SET UP
3 SATELLITE SETTING
SAT. CONNECTION (I P.)
SAT. BRAND NO. (17)
4 VIDEO PLUS+ GUIDE CH
Press 1 - 4 to select
Press MENU to exit

3 Press button 2 to select the blue MANUAL SET UP screen.

MANUAL SET UP
1 CH SWAPPING
2 MANUAL TUNING
3 RF OUT CHANNEL (21)
Press 1 - 3 to select
Press MENU to exit

4 Press button 1 to select CH SWAPPING. The Channel Swapping screen will appear superimposed over the TV picture.

5 Press the **CH/TRK** ∧ or ∨ button on the Remote Control to find the station required (CH P.). The picture on the TV will change as you move up and down the channels.

6 *E.g. If you were to find Channel 5 stored in position 7:* Select the new channel position (NEW CH P.) using the number buttons on the Remote Control, *e.g.* for *5* press number buttons 0 and 5.

CH SWAPPING
CH P. 7 NEW CH P. 5
CH P. ∨/∧ to find station
Select NEW CH P. press 0 - 9
Press SHIFT to swap
Press MENU to exit

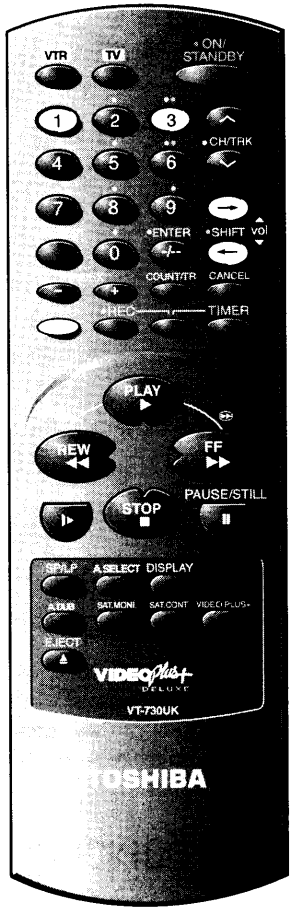
7 Press **SHIFT** ➔ to swap the channels.
The station now displayed has been saved in the channel position indicated on screen.

8 Continue for all the other channels to be swapped. When all the missing stations have been found press the MENU button to exit and *see page 9, Checking the Auto Set Up.*

Restarting Auto Set Up

If you ever need to re-run the Auto Set Up process, for example, if you move house, carry out the connections as detailed on *page 7* and re-start as described here.

If the Auto Set Up does not work check the Aerial connection to the VTR and from the VTR to the TV.



1 Press the MENU button on the Remote Control to display the green MAIN MENU on the screen.

MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING
Press 1 - 5 to select
Press MENU to exit

2 Press button 3 to select the blue INSTALLATION MENU.

INSTALLATION MENU
1 AUTO SET UP
2 MANUAL SET UP
3 SATELLITE SETTING
SAT. CONNECTION (I P.)
SAT. BRAND NO. (17)
4 VIDEO PLUS+ GUIDE CH
Press 1 - 4 to select
Press MENU to exit

3 Press button 1 to select AUTO SET UP.

The AUTO SET UP screen comes up.

AUTO SET UP

	CH P.	CH
BBC1	1 :	22
BBC2	2 :	28
ITV	3 :	25
CH4	4 :	32
C5	5 :	30

Press SHIFT to search
Press MENU to exit

4 Press **SHIFT** ➔ to start AUTO SET UP.

5 Refer to *page 8* and follow the relevant steps for the screen displayed, depending upon the result.

...If you get any problems contact the helpline

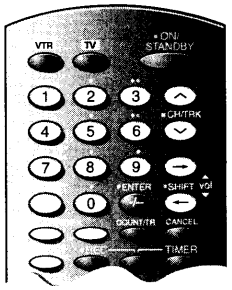
Manual Tuning and Cable TV Installation

Manual Tuning is available as a back-up if Auto Set Up does not work due to poor Broadcast Reception. When using Manual Tuning you will need to use the information on both of the TV screen and the VTR front display panel.

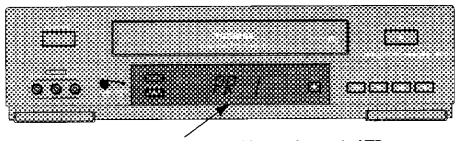
Manual Tuning of Terrestrial Stations

Note: Some Cable systems send all their TV and Satellite programmes on one channel only.
If you have this type of system you should tune in one Position number on the video and then use the Cable Box to select the chosen channel to record.

BBC1:	Position number **1**
BBC2:	Position number **2**
ITV:	Position number **3**
CHANNEL 4:	Position number **4**
CHANNEL 5:	Position number **5**
Satellite/Cable:	Position number **6**



Note: The VTR must display a position *number* before tuning in can start. Remove any tape and if L1, L2 or SA is displayed press the INPUT SELECT button on the Remote Control so that a position number *is* displayed.



PR. = Programme Position number on the VTR

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 3 to select the blue INSTALLATION screen.

3 Press number button 2 to select the blue MANUAL SET UP screen and then 2 again for MANUAL TUNING.
Press the **SHIFT** ► or ◄ to highlight the program position you wish to tune, then press the **CH/TRK** ∧ ∨ repeatedly until you find the channel you wish to store. The TV will display the programme as you search.

4 When the correct TV signal is showing repeat step **3** for the other TV stations and for the Satellite stations if your Satellite receiver is not connected by a SCART Lead.

5 Press the MENU button on the Remote Control to exit. Channel Tuning is now complete and you can select a television programme by the position number on which the TV station is stored.

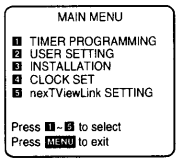
The 'Range' option has no function in the UK.

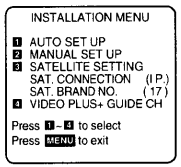
Additional RF Tuning Information

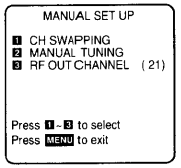
In some areas of the country you may experience interference from other broadcast stations or from other AV equipment. This may be reduced or eliminated by choosing to turn OFF the RF output from your VTR.

Additional RF Tuning Information

If a SCART Lead has been used as detailed in the GETTING STARTED section and you are experiencing problems with interference from other equipment or channels, you can turn OFF the RF output:







1 Press the MENU button on the Remote Control to display the green MAIN MENU.

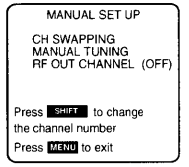
2 Press number button 3 to select the blue INSTALLATION MENU.

3 Press button 2 to select MANUAL SET UP.

4 Press button 3 to select RF OUT CHANNEL.

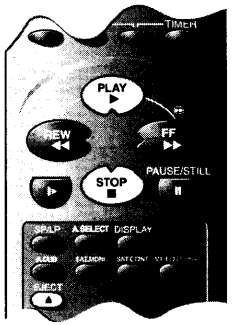
5 Press **SHIFT** ► or ◄ until OFF appears in the RF OUT CHANNEL option.

6 Press MENU to exit.
If you still believe you are having interference problems, consult your dealer or ring the Toshiba Helpline.



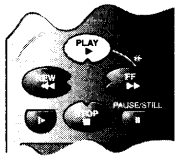
Watching a Pre-Recorded Tape

If you insert a commercially pre-recorded tape, it will automatically start to play. If you have not used a SCART Lead you will first need to select the channel on the television that you watch videos on (refer to Additional RF Tuning Information on page 13). The VTR is fitted with an autohead cleaner which automatically cleans the video heads during playback.

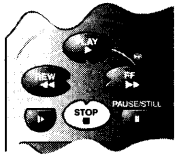


1 Insert a tape with the clear window facing upwards. The 'video cassette loaded' z symbol will appear on the VTR front display.

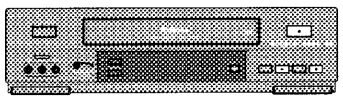
2 To play the tape, press the PLAY button on the Remote Control.



3 To stop the tape press the STOP button on the Remote Control.

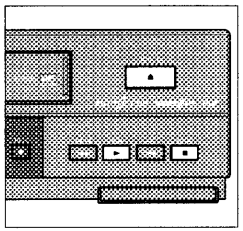


4 To eject a tape press the EJECT button on the Remote Control.



1 To play the tape, press the PLAY button on the front of the VTR.

2 To stop the tape press the STOP button.



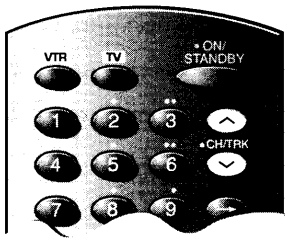
3 To eject the tape press the EJECT button.

Tracking

As each VTR is different, slight adjustments need to be made in the way the tape is read. This is called 'Tracking.'

When playback starts the video recorder automatically adjusts the Tracking to obtain the best possible picture and sound; Digital Auto Tracking. The DT (Digital Tracking) indicator will flash while this adjustment takes place and the playback picture and sound may be distorted. The VTR will automatically adjust the Tracking as best it can.

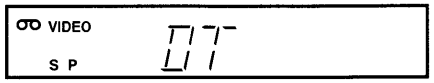
If you playback rented tapes or tapes recorded on other machines, you may occasionally find that the Digital Auto Tracking is not able to improve the picture sufficiently. In these instances you will need to adjust the Tracking manually.



To manually adjust Tracking

1 With a tape in and playing, hold down either the **CH/TRK** ∧ or ∨ button on the Remote Control until the best possible picture and sound is obtained.

2 To resume Automatic Digital Tracking, press the two **CH/TRK** buttons on the Remote Control.



3 If the tape is old or worn, it may be impossible to improve the picture performance.

If you press the PAUSE/STILL button the image may shimmer. This may also be reduced by adjusting the Tracking.

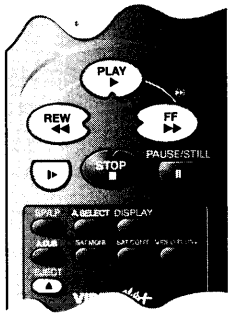
Variable Speed Playback

When viewing a tape it can be played at various speeds. This is called Picture Search.

As well as normal playback, you can view a tape at various speeds.

When watching a tape, you can look for a particular scene by pressing either the FF or REW button or view the tape in slow playback using the SLOW button. In Picture Search, the quality of the image may deteriorate. If you view a tape recorded in Long Play (LP) mode, or recorded on another VTR, the picture quality may be poor or even in black and white.

Improvements can sometimes be made by adjusting the Tracking, *see page 15.*



When in Picture Search or Slow Motion, the quality of the image may deteriorate.

Picture Search enables you to Fast Forward or Rewind and look for a particular part of a tape.

1 Press PLAY, the VTR will enter normal play mode.
While in play, press and release the FF (or REW) button.
The VTR will search at 5 times the normal playback speed.

2 To return to normal playback mode, press the PLAY button.

3 If you press and HOLD down the FF (or REW) button the VTR will search at 9 times the normal speed. Releasing the FF button will return the VTR to search at 5 times the normal speed. To return to normal playback mode, press the PLAY button.

4 While in Picture Search mode, if you press the FF button again, the VTR will enter normal Fast Forward mode.

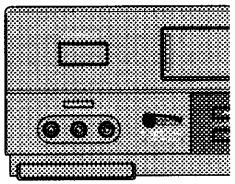
5 Likewise, while in Picture Search REW mode, if you press the REW button again, the VTR will enter normal Rewind mode.

6 If, when Rewinding (REW) or Fast Forwarding (FF), you press the REW (or FF) button, the VTR will enter the Picture Search mode.

7 To view a tape in Slow Motion, when in PLAY, press and release the SLOW button on the Remote Control. The playback will slow down to 1/5th of normal speed.
If you press the SLOW button once again, the playback will slow down to 1/12th of normal speed.

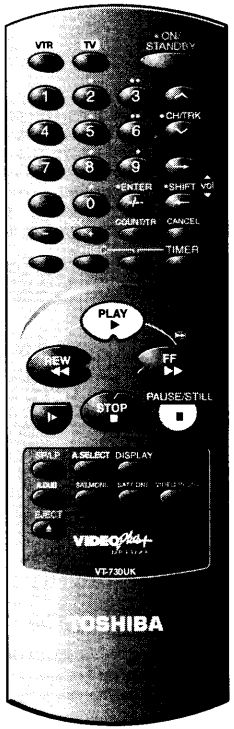
8 Press PLAY to resume normal playback.

1 When in PLAY mode press the FF (Fast Forward) or REW (Rewind) button on the front of the VTR. The VTR will search at 5 times the normal playback speed. If you press and HOLD down the FF (or REW) button the VTR will search at 9 times the normal speed. If you release the button, the VTR will enter normal Fast Forward/ Rewind speed.
To return to normal playback, press PLAY.



Trick Play Functions

Holding images and advancing frames on the screen.



1 When in PLAY, if you want to hold an image on screen, simply press the PAUSE/STILL button.

This will freeze the frame for about 5 minutes.

2 To advance one frame at a time, press and release the PLAY button.

Press and hold the PLAY button.

3 To resume PLAY, press the PAUSE/STILL button again.

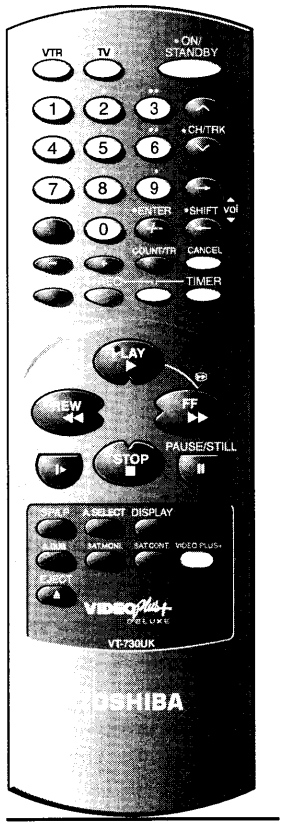
Note : If left unattended for about 5 minutes in the Picture Still mode, the Freeze Frame will cancel and the VTR will revert to PLAY.

Note: Fast moving images may shimmer when Freeze Frame is selected. This can sometimes be reduced by adjusting the Tracking, *see page 15.*

VIDEOPlus+

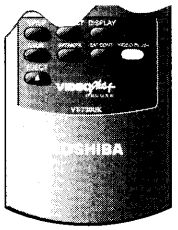
VIDEOPlus+ is the easiest way to record TV programmes, using short numerical codes. The PlusCode programming numbers shown in most TV listings pages, tell the video recorder when to start and stop recording a particular programme. These numbers appear after the programme description.

Videoplus+ and Pluscode are trademarks of GEMSTAR development corp. Videoplus+ system is manufactured under license from GEMSTAR development corporation.



***PDC WARNING PLEASE NOTE:**
If you have selected PDC ON (see page 23) do not change the advertised start time of the programmes or the video will not record.

1 *Before you begin:* Turn on the VTR and the TV.
Ensure the clock is set correctly.
Make sure that the TV stations have been stored correctly on the VTR as in the order shown on *page 12.*



2 Press the VIDEO Plus+ button on the Remote Control.

3 Enter the PlusCode, using the number buttons on the Remote control. *E.g.* to record a TV programme with a PlusCode of *1234*, press *1234*. Check that you have entered the numbers correctly and press the VIDEO Plus+ button to confirm. If you make a mistake, simply press the CANCEL button and re-enter the PlusCode.

PLUSCODE ( )
Enter PLUSCODE and
press VIDEO PLUS+
to confirm
Press CANCEL to cancel
Press MENU to exit

4 You are now prompted to confirm how many times you want to record this event – *i.e.* ONCE, DAILY or WEEKLY, *e.g.* ONCE, Press 1.

PLUSCODE (1234)
Select rec frequency
1 ONCE
2 DAILY (MO - FR)
3 WEEKLY
Press 1 - 3 to select
Press CANCEL to cancel
Press MENU to exit

5 The TV will now confirm the programme information that relates to the PlusCodes entered, along with the recording defaults, *e.g.* PDC ON/OFF* and the tape speed: 1 for SP (Standard Play) or 2 for LP (Long Play).

If you wish to change the speed use SHIFT → and move to SPD, then press 1 for short play or 2 for long play.

CH	DATE	ON	OFF	SPD
1	SA ONCE 18	17:00	- 17:30 PDC	SP
2				
3				
4				
5				
6				

14:39 11.11. '99 TH
Press 1 - 6 to select
Press TIMER to record

6 If you wish to enter another **VIDEOPlus+** recording press the VIDEO Plus+ button again and repeat steps **3** to **4.**

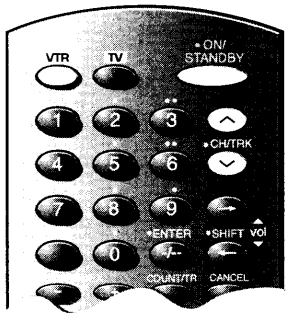
7 If OK, press the two TIMER buttons at the same time. The TIMER indicator on the front panel of the VTR will light up.

To cancel the Timer, press the two Timer buttons again, then the ON/STANDBY button.

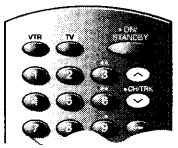
One Touch Record - *Advanced OTR*

Recording the selected video channel at the touch of a button.

One Touch Recording enables you to record what is currently showing and set the off timer for up to 4 hours in advance.



1 Turn on the VTR and select the desired channel number using the **CH/TRK ∧ ∨** buttons on the Remote Control.

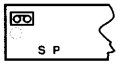


2 Insert a video tape.

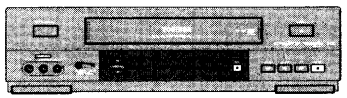
3 To record what is currently showing, simply press the two REC buttons on the Remote Control.

A red dot will be displayed below the 'video cassette loaded' symbol.

This will set the VTR to record until either the STOP button is pressed or the end of the tape is reached.

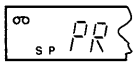


Advanced OTR starts recording simply at the touch of a button.
When using Advanced OTR the VTR will count the time from the hour and 1/2 past the hour. If you press the REC button at 14:15 - the 1st off time shown will be 14:30, pressing the REC button again will set an off time of 15:00.

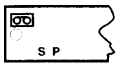


Turn on the TV and select the video channel.

1 Turn on the VTR and select the desired channel number using the channel buttons on the front of the VTR.



2 Insert a video tape. Press the REC button. A red symbol will be displayed below the 'video cassette loaded' symbol on the front of the VTR.



The VTR will continue to record until the STOP button is pressed or the tape runs out.

By repeadtedly pressing the REC button on the VTR you can set the VTR to record for a preset time. The VTR display will show the time that the recording will stop and a red timer symbol will appear.

One more	30 minutes
Twice	60 minutes
Three times	90 minutes
Four times	120 minutes
Five times	150 minutes
Six times	180 minutes
Seven times	210 minutes
Eight times	240 minutes
Nine times	--- Cancel

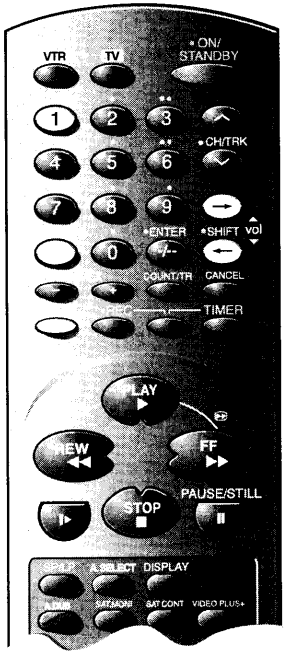
To STOP an OTR, simply press the STOP button. To extend the recording time (*i.e* delay the the stop time) press the REC button on the VTR repeatedly to extend in 30 minute section.
If you wish to skip a scene or adverts, simply press the PAUSE/STILL button. This will pause the recording. To start the recording again, simply press the PAUSE/STILL button again.

NOTE: Advanced OTR only works with the REC button on the front of the VTR.

Using On-Screen Programming

Before recording a television broadcast, the clock, date and year must be correct. By setting the 'ADJUST CLOCK' on, see page 24, the VTR will check and correct the clock each morning at 8am provided the VTR is in Standby.
Note: Use the **SHIFT** ➔ or ➔ buttons on the Remote Control to the move the cursor forwards or backwards. If you make a mistake, simply press the **SHIFT** ➔ button to move back and re-enter the number.

Timer recordings can easily be made using the On-Screen Programming function. Up to 6 timed events can be set for up to one month in advance.



To cancel any programmed information, select TIMER PROGRAMMING from the green MAIN MENU and, with the event number highlighted *e.g. 1*, press the CANCEL button to clear the programmed information.

***PDC WARNING PLEASE NOTE:**
If you have selected PDC *ON* (*see page 23*) do not change the *advertised* start time of the programmes or the video will *not* record.

1 Press the MENU button to display the green MAIN MENU.

2 Press number 1 to select the blue TIMER PROGRAMMING screen.

3 Select the first available event (usually position 1, there are 6) using the numbered buttons on the Remote Control, *e.g. Button 1 for position 1.*

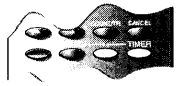
4 Follow the prompts at the bottom of the screen. Select the channel position number *e.g. 01 for Channel 1* using the number buttons. If you want to record from L or SA, press the INPUT SELECT button on the Remote Control (*see page 4* for appropriate Input): L1 = SCART; L2= F/AV.

5 Confirm how many times you want to record this event, *i.e.* ONCE, DAILY, or WEEKLY. Press 1, 2 or 3 accordingly. Confirm the day if appropriate.

6 Set the date you want the recording to take place, *e.g.* 29 for the 29th. The VTR can record up to 1 month in advance. All you need to do is simply put in the date (NOT the month) and the VTR will store the information.

7 Set the recording START time and FINISH time, using the number buttons on the Remote Control. *E.g.* START 1 9 3 0 FINISH 2 0 2 0.
Select Programme Delivery Control (PDC*) ON or OFF: number button 1 for ON, 2 for OFF – *see page 23.*
Select the desired tape speed 1 for SP (Standard Play) or 2 for LP (Long Play). Repeat for all remaining timed recordings that you wish to make.

8 Press BOTH THE TIMER buttons on the Remote Control at the same time. The VTR switches to 'Timer On' mode. If you wish to turn the Timer off for any reason simply press the 2 TIMER buttons again.
Don't forget to put it back in Timer mode, or it will not make a recording.



MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING
Press 1 - 5 to select
Press MENU to exit

15:31 22. 6. '00 TH
CH DATE ON OFF SPD
1
2
3
4
5
6
Press 1 - 6 to select
Press MENU to exit

15:31 22. 6. '00 TH
CH DATE ON OFF SPD
1 1 PDC SP

15:31 22. 6. '00 TH
CH DATE ON OFF SPD
1 1 ONCE PDC SP

15:31 22. 6. '00 TH
CH DATE ON OFF SPD
1 1 ONCE 29 19:30 ~ 20:20 PDC SP
2
3
4
5
6
Press 1 - 6 to select
Press TIMER to record

User Settings – Tape Select and Eco Mode

Presetting the video to your chosen recording defaults using the *USER SETTING* screen from the green MAIN MENU.

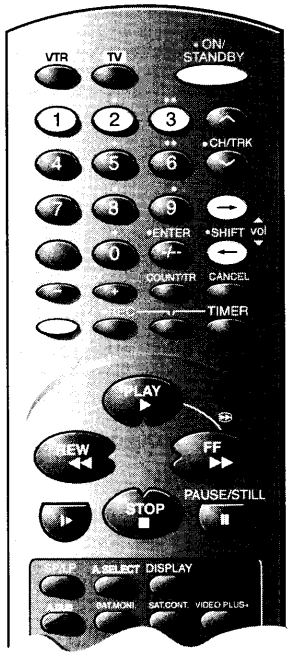
The USER SETTING screen has 2 displays.

By pressing **SHIFT** ➔ whilst on the USER SETTING **1/2** screen you will progress to the USER SETTING **2/2** screen.
Press **SHIFT** ➔ and you will go back to USER SETTING screen **1/2**.

MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING
Press 1 - 5 to select
Press MENU to exit

USER SETTING 1/2
1 TAPE SELECT (E180)
2 ECO. MODE (OFF)
3 NTSC ON PAL TV (ON)
4 VIDEO PLUS+ EXTEND (OFF)
5 COLOUR (ON)
Press 1 - 5 to change
Press SHIFT to next
Press MENU to exit

Note: If you suffer a power failure the settings will need to be reset.



Note: Ensure you connect the VTR to the television using a SCART Lead.

If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted. Standard Play gives a better quality picture and sound. For the VTR to able to calculate you must first tell it what length of tape is in the VTR.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select the USER SETTING 1/2 screen.

3 Press number button 1 repeatedly to select between (E180), (E240), (E260) and (E300).

USER SETTING 1/2
1 TAPE SELECT (E260)

4 Having selected the length of tape that is in the VTR, press the MENU button twice to exit..

ECO MODE is useful if you already have a clock display e.g. on another Set Top Box, to save energy and for security. Without the clock display, the VTR is more difficult to spot in the dark.

In normal Standby mode the display on the front of the VTR shows clock. When ECO MODE is on this light turns red.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select the USER SETTING 1/2 screen.

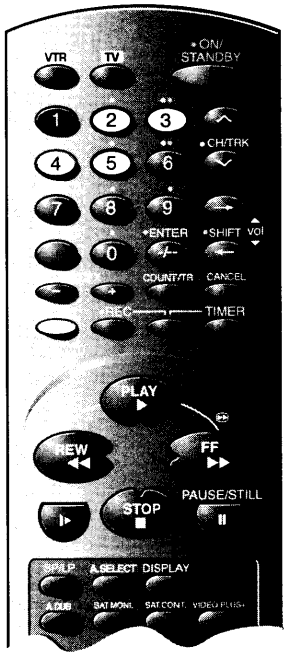
3 Press button 2 to turn ECO MODE ON. Now, when the VTR is in Standby mode the front display panel will shut off.
Even the clock disappears. By pressing the Standby button again on the Remote Control the display panel will reappear.

USER SETTING 1/2
2 ECO MODE (ON)

4 Press MENU to exit.

NTSC on PAL TV, VIDEO Plus+ EXTEND and Colour

Note: If you suffer a power failure the settings will need to be reset.



NTSC is the television standard used in many parts of the world.

See page 25 NTSC Playback.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select the blue USER SETTING screen.

3 Press number button 3 repeatedly to select between ON or OFF.

USER SETTING 1/2
3 NTSC ON PAL TV (ON)

To prevent delays or over-runs the VTR has a function called VIDEO Plus+ EXTEND allowing you to extend the recording time by up to 60 minutes. If PDC is set to ON, this VIDEO Plus+ EXTEND is ignored.

1 As steps 1-2 above and press button 4 repeatedly to set the VIDEO PLUS+ EXTEND time by increments of 10 minutes.

USER SETTING 1/2
4 VIDEO PLUS+ EXTEND (OFF)

2 To turn off, press 4 repeatedly until OFF shows.

To view video tapes in Colour the COLOUR option must be set to ON. However, when viewing black and white tapes you may find that by choosing OFF the picture is improved.

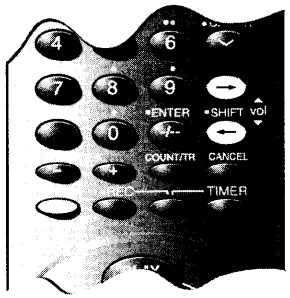
1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select the blue USER SETTING screen.

3 Press number button 5 to select between ON or OFF.

USER SETTING 1/2
5 COLOUR (ON)

OSD Background and PDC



The Blue Background feature will automatically display a blue screen when a blank tape is played, no broadcast signal is received or there is no signal from the selected source, e.g. camcorder is connected but not switched on.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

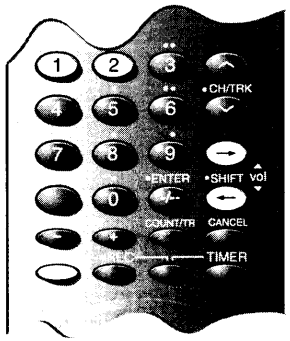
2 Press number button 2 to select the USER SETTING 1/2 screen.

3 Press the **SHIFT** ➔ to go to USER SETTING 2/2 screen. Press the number button 1 to turn OSD BACKGROUND ON.

4 Press MENU twice to exit.

USER SETTING 2/2
1 OSD BACKGROUND (OFF)
2 PDC DEFAULT (OFF)
3 ADJUST CLOCK (ON)
4 16:9
5 (OFF)
NICAM (OFF)
Press 1 - 5 to change
Press SHIFT to previous

PDC only works when the VTR is programmed and in the Timer Mode. If you set the VTR back to Standby before the recording has been made the programme will remain in the VTR's memory. If you fail to set the VTR back to Timer Mode the PDC recording will remain until you cancel/clear the recording; press the MENU button on the Remote Control, choose 1, TIMER PROGRAMMING, select the programme and press the CANCEL button.



Programme Delivery Control is a system of telling the VTR when a programme *actually* starts. Typically, when you want to record a programme you will tell the VTR to start recording, probably, five minutes before the *advertised* starting time of the programme and to finish ten minutes or so after the programme is *due* to finish. So even if the programme starts early or finishes late you will normally still get to see what you wanted to record. However when live programmes over-run or the day's television schedule is changed from that advertised, you may miss the desired programme which may have been delayed or even cancelled.
With PDC the VTR will wait until the signal is sent to confirm the programme is starting and the VTR will record the programme *even* if it is two or more, hours late.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select USER SETTING 1/2.

3 Press **SHIFT**➔ to proceed on to the USER SETTING screen 2/2.

4 Press number button 2 to select ON in PDC DEFAULT option.

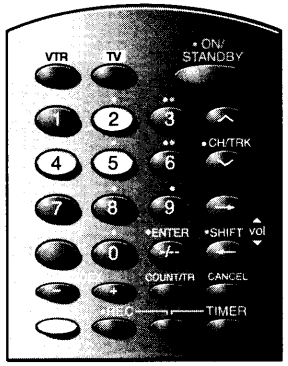
5 Press MENU to exit.

USER SETTING 2/2
1 OSD BACKGROUND (OFF)
2 PDC DEFAULT (OFF)
3 ADJUST CLOCK (ON)
4 16:9
5 (OFF)
NICAM (OFF)
Press 1 - 5 to change
Press SHIFT to previous

Note: Currently, not all broadcasters transmit PDC signals and, if you do use PDC you must set the exact advertised start and end times. Not five minutes before and ten minutes after.

User Settings continued
– Adjust Clock, nexTViewLink

You can preset the video to your chosen recording defaults by using the *USER SETTING* screens from the green MAIN MENU. **ONLY USE THESE OPTIONS IF YOU HAVE A nexTViewLink TELEVISION.**



Note: Ensure you connect the VTR to the television using a SCART Lead.

nexTViewLink:

In the future, new types of **Teletext** may be available. This Electronic Programming Guide (EPG) will enable you to utilise **nexTViewLink.**
However, before you can use nexTViewLink you must set the VTR to receive information from a nexTViewLink TV.
'TV CH P.DOWN LOAD', the first option will enable you to download the channel order that is stored on your TV.
Having done this, you can then send instructions directly from the nexTViewLink pages.

THESE OPTIONS ONLY WORK WITH A nexTViewLink TELEVISION.

By setting the ADJUST CLOCK to ON there will be no need to adjust the clock manually. This will be automatically carried out for you daily.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press button 2 to select the USER SETTING 1/2 screen. Press the **SHIFT** ➔ to go to USER SETTING 2/2 screen.

```
USER SETTING 2/2
3 ADJUST CLOCK   ( ON)
```

3 Press button 3 to turn ADJUST CLOCK OFF and press MENU to exit.

1 Press the MENU button on the remote control to select the green MAIN MENU. Press button 5 to select the nexTViewLink SETTING screen.

```
MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING

Press 1 - 5 to select
Press MENU to exit
```

2 Press number button 1 to select TV CH P.DOWNLOAD. By pressing the number buttons to select the channels, download the channel orders by pressing SHIFT ➔.

Having downloaded the channel order you must now instruct the VCR to accept this information. Follow the on screen instructions.

3 Press the MENU button to exit TV CH P.DOWNLOAD screen. Now select 2 TV PICTURE RECORD from the nexTViewLink SETTING menu and press number button 2 to change to ON. To turn this facility off, press button 2 whilst in the nexTViewLink SETTING screen.

```
nexTViewLink SETTING
1 TV CH P. DOWN LOAD
2 TV PICTURE RECORD (OFF)

Press 1 - 2 to select
Press MENU to exit
```

4 Having downloaded the channel order and set the TV PICTURE RECORD to ON you can now instruct the VCR to record information from the television. For example, you may be watching a news item and decide to record it. Because the setting on the PICTURE RECORD was turned ON the VCR will automatically record from the current television station, *irrespective* of what channel the VCR is set to (unlike the OTR function) by pressing the two REC buttons.

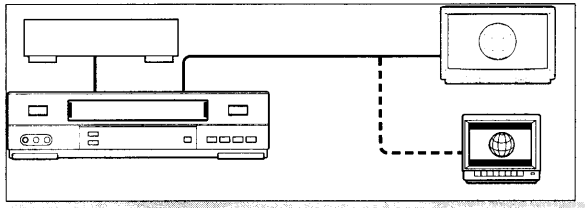
The TV will automatically switch the VCR into Timer Mode.

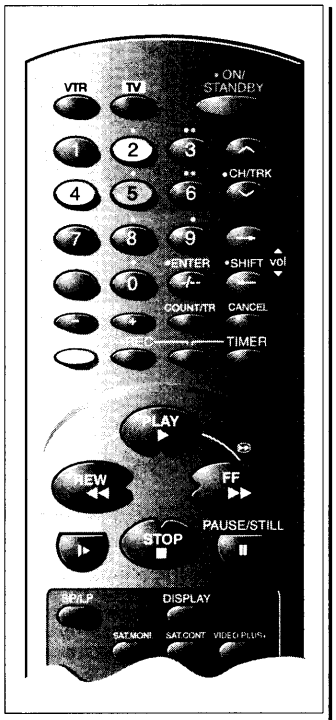
```
TV CH P. DOWN LOAD
CH P.    CH
1        --

Press SHIFT - to DOWN LOAD
Press MENU to exit
```

```
nexTViewLink SETTING
1 TV CH P. DOWN LOAD
2 TV PICTURE RECORD (OFF)

Press 1 - 2 to select
Press MENU to exit
```


16:9 (Wide Screen Compatibility

The VTR automatically adjust the image to fill the wide TV screen when you play back a tape commercially available which is recorded in the wide screen format, or when you record or play back a wide TV programme via the connected satellite receiver, etc.





1 Press the MENU buton on the remote control to select the green MAIN MENU.

```
MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING

Press 1 - 5 to select
Press MENU to exit
```

2 Press button 2 to select the USER SETTING 1/2 screen. Press the **SHIFT** ➔ to go to USER SETTING 2/2 screen.

```
USER SETTING 2/2
1 OSD BACKGROUND(OFF)
2 PDC DEFAULT    (OFF)
3 ADJUST CLOCK   (ON)
4 16:9           (OFF)
5 NICAM          (OFF)
  Press 1 - 5 to change
Press SHIFT to previous
Press MENU to exit
```

3 Press button 4 to set "16:9"

AUTO: Set when you use a Wide TV. The VTR detects wide TV programmes and normal TV programmes automatically when playing back and recording.

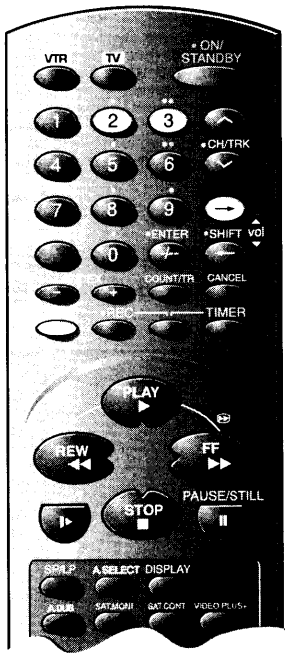
ON: The VTR always plays back and records in the mode compatible with 16:9 wide screen. Set if the VTR cannot detect wide TV programmes with "AUTO" set.

OFF: Set if you do not use a wide TV.

4 Press the MENU to exit.

NTSC Playback

NTSC is the broadcasting standard used in Japan and the USA. The VTR has a function that enables you to view NTSC tapes.



Note: The playback quality of NTSC tapes is not as good as PAL tapes and the picture and sound quality may be poor. The picture may shrink vertically, black bars may appear at both the top and bottom of the screen and Variable Speed Playback may not function correctly (*i.e.* Picture Still, Search, Slow Playback etc). Digital Auto Tracking may not work correctly.

Playback of recordings made in LP mode may be poor due to the limitations of conversion.

Playing back a cassette on a PAL ONLY TV

The VTR will decode NTSC signals, so the NTSC option available on the VTR must be set to ON.

1 Press the MENU button to display the green MAIN MENU.

MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING
Press 1 - 5 to select
Press MENU to exit

2 Press button 2 to select the blue USER SETTING 1/2 screen.

USER SETTING 1/2
1 TAPE SELECT (E180)
2 ECO MODE (OFF)
3 NTSC ON PAL TV (OFF)
4 VIDEO PLUS+ EXTEND (OFF)
5 COLOUR (ON)
Press 1 - 5 to change
Press SHIFT ↓ to next
Press MENU to exit

3 Press button 3 to select NTSC ON PAL TV ON.

4 Press MENU twice to exit.

Playing back a cassette on an NTSC 4.43 compatible TV

The TV will decode the NTSC signal, so the 'NTSC Playback on PAL TV' option available from the VTR must be set to OFF.

1 Press the MENU button to display the green MAIN MENU.

USER SETTING 1/2
1 TAPE SELECT (E180)
2 ECO MODE (OFF)
3 NTSC ON PAL TV (ON)
4 VIDEO PLUS+ EXTEND (OFF)
5 COLOUR (ON)
Press 1 - 5 to change
Press SHIFT ↓ to next

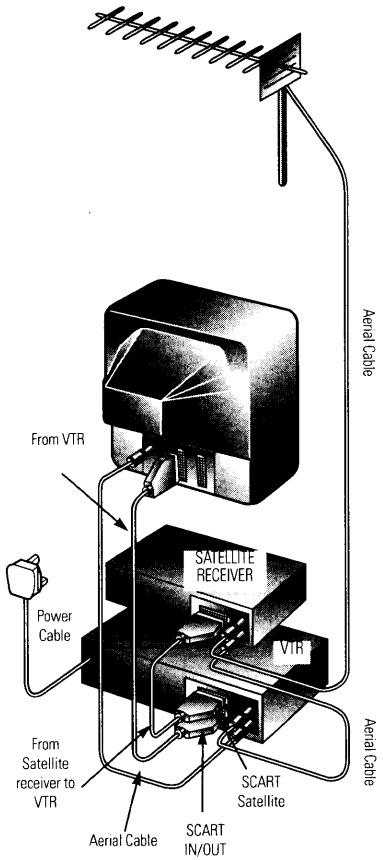
2 Press button 2 to select the blue USER SETTING 1/2 screen.

3 Press button 3 to select NTSC ON PAL TV OFF.

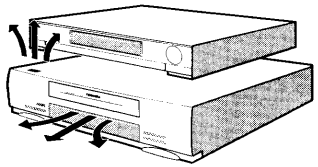
4 Press MENU twice to exit.

Connections

Satellite Compatibility:
In order for these functions to work you must have a compatible Satellite receiver.
Some Pace and Nokia Satellite receivers are not compatible with this VTR, for instance Pace have recently changed the IR control codes of the MSS100, therefore some machines will be compatible while others are not. Incompatible MSS100 receivers can be identified by the Remote Control part number "RC10" which is printed on the handset.



Positioning the Satellite receiver:



The VTR will control or 'talk' to the Satellite receiver via infra-red signals which are sent out from the VTR's display window and top-mounted sensor.

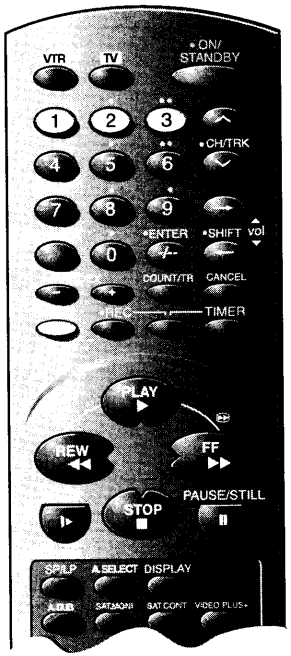
It is essential that you correctly position the VTR and Satellite receiver.

Ideally, you should position the Satellite receiver *above* the VTR.

- Do not block the VTR's sensors.
- The infra-red signals come out of the sensor windows, bounce off walls and objects in the room and are picked up by the Satellite receiver.

Note: When using a SCART Lead between the Satellite receiver and the VTR always ensure that you connect the SCART Lead to the SCART input socket marked SATELLITE IN on the VTR.

Control of Satellite Channels via Satellite Control



Having connected your Satellite receiver and positioned it correctly, you now need to tell the VTR how it is connected, what Brand of Satellite receiver you have and what order of Satellite channels have been set.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING
Press 1 - 5 to select
Press MENU to exit

2 Press button number 3 to select the blue INSTALLATION MENU and 3 again to select the blue SATELLITE SETTING screen.

INSTALLATION MENU
1 AUTO SET UP
2 MANUAL SET UP
3 SATELLITE SETTING
SAT. CONNECTION(LINE1)
SAT. BRAND NO. (17)
4 VIDEO PLUS+ GUIDE CH
Press 1 - 4 to select
Press MENU to exit

3 Select 1 ~ 4 depending on how you have connected the Satellite receiver.

SATELLITE CONNECTION
How is your satellite connected?
1 SATELLITE SCART (SAT)
2 RF AERIAL (CH P.)
AV SCART (LINE1)
FRONT AV (LINE2)
Press 1 - 4 to select
Press MENU to exit

If you have connected the Satellite receiver using RF AERIAL (Option 2 from the SATELLITE CONNECTION) the VTR needs to be told to which channel you have tuned your Satellite. The screen will prompt you. Use the number buttons on the Remote Control, *e.g.* 06 for channel 6.

If the Satellite receiver has been connected – turned on and set to Sky News – prior to running AUTO SET UP then the Satellite receiver should be stored in position 6.

4 Once this number has been entered, press the MENU button on the Remote Control.

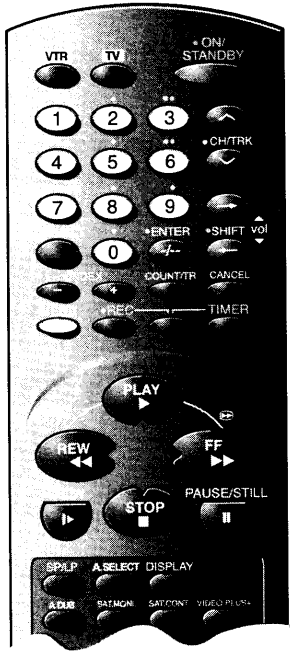
Enter the Satellite Brand Code from the table on *page 29* using the numbered buttons on the Remote Control, even if the correct code is shown.

SATELLITE BRAND NO.
What is brand of your satellite?
SAT. BRAND NO. (017)
Refer to owner's manual for 3 digit brand No.
ENTER SAT. BRAND NO. even if it is correct.
Press MENU to exit

The VTR will send a test signal to the Satellite receiver.

Continued overleaf...

Control of Satellite Channels via Satellite Control



5 If the Satellite receiver switches to channel 12 it is working correctly. Press MENU to continue and go to instruction **7** below.

SAT. BRAND NO. (017)
sending a test signal of CH 12 to your satellite

6 If it does not switch to channel 12 continue trying the list of Brand Codes until the VTR controls the Satellite.

Did SAT. CH change to 12?
YES: Press MENU
NO: Try another No.
SAT. BRAND NO. (017)
If all numbers tried select NO SAT CONTROL on next screen.
Press MENU : next screen

Note: If *no* Codes work, press the MENU button on the Remote Control and select NO SAT CONTROL on the next screen and *see step* **9** *below.*

7 You now need to tell the VTR the Channel order on your Satellite receiver.

SATELLITE CH ORDER
How is your satellite receiver tuned?
1 SKY ORDER
2 ASTRA ORDER
3 PERSONAL PREFERENCE
4 NO SATELLITE CONTROL
Press 1 - 4 to select
Press MENU to exit

Most Satellite receivers are preset to either SKY or ASTRA order. If, however, you have changed the order then you will need to select 3 PERSONAL PREFERENCE on the SATELLITE CH ORDER screen and change the VIDEO Plus+ GUIDE numbers accordingly.

Select 1~4 and this will customise your VTR to your Satellite receiver.

8 If you selected 3 PERSONAL PREFERENCE you will need to enter the channel order of the Satellite receiver (see the example right). Use the table on *page 29* to help.

Example only

GUIDE : CH P.
101 : SAT
102 : SAT
103 : SAT
104 : SAT
105 : SAT
Enter CH P. or LINE
Press SHIFT to change GUIDE
Press MENU to exit

9 If you selected 4 NO SATELLITE CONTROL you will need to manually select the correct Satellite channel on the receiver when you want to record a Satellite programme.

The set-up is now complete.

Control of Satellite Channels via Satellite Control

From the tables below look up the make of the Satellite Receiver and note the Brand Code.
The Channel order may change from time to time – contact your Satellite provider for the latest details.

Brand Name	Brand Code
TOSHIBA	017, 033
ALBA	001, 002, 009, 016, 017, 065, 066
AMSTRAD	003, 004, 005, 017, 055, 056, 076, 077, 089, 090, 091, 124
ARMSTRONG	107, 043
BIG BROTHER	007, 008, 017
BT	017, 122, 123
BUSH	002, 009, 016, 017, 065, 066
CABLE STAR	017, 101, 102, 103, 104
CABLETIME	017, 101, 102, 103, 104
CAMBRIDGE	017, 122, 123
CHANNEL MASTER	002, 003, 010, 017
D2MAC DECODER	017, 072
DRAKE	017, 045
ECHOSTAR	013, 014, 017, 092, 093, 094
FERGUSON	009, 015, 016, 017, 023, 038, 039, 059, 108
GRUNDIG	017, 019, 028, 071, 125
ITT/NOKIA	017, 026, 027, 050, 051, 052
JVC	017, 122, 123
LENCO	017, 049
MASPRO	017, 020, 064, 067
MATSUI	017, 125
NEC	017, 022, 057
NETWORK	009, 016, 017
NORDMENDE	017
PACE	009, 016, 017, 023, 038
PANASONIC	017, 061
PHILIPS	016, 017, 024, 046, 073
REDIFFUSION	017, 025
REVOX	017, 021
SAKURA	017, 062, 063, 068
SALORA	017, 026, 027, 050, 051, 052
SAMSUNG	017, 036
SIEMENS	017, 023
SENTRA	010, 017
SONY	017, 030
TATUNG/NIKKO	017, 032, 054, 058, 080, 081
TEXSCAN	017, 119, 120
THOMSON	007, 017, 039
TRISTAR	017, 031
UNIDEN	017, 067
VIDEOTRON	017, 105, 106, 107, 108, 109, 110, 121
WISI	017, 035, 037, 044, 093

Please note:
These charts were correct at time of going to press. Names and Codes may vary.

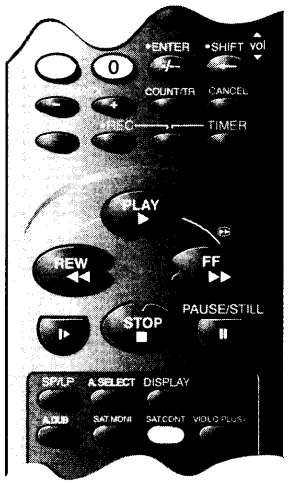
Station Name	VIDEOPLUS+ Guide Channel	SKY Order	ASTRA Order	Personal Preference
SKY ONE	101	1	8	
SKY NEWS	102	2	12	
SKY MOVIE MAX	103	3	16	
SKY PREMIERE	104	4	18	
THE DISNEY CHANNEL	111	5	26	
SKY BOX OFFICE 1	111	5	26	
SKY SPORTS 1	105	6	20	
NICKELODEON	106	7	46	
PARAMOUNT COMEDY CH.	106	7	46	
EBN	125	8	42	
TROUBLE	125	8	42	
BRAVO	125	8	42	
DISCOVERY HOME & LEISURE	124	9	41	
DISCOVERY	124	9	41	
UK GOLD	123	11	23	
QVC	136	12	38	
LIVING	130	13	34	
THE FANTASY CHANNEL	130	13	34	
MTV	109	14	15	
VH1	145	15	22	
SKY SPORTS 2	140	16	47	
SKY SPORTS 3	148	17	31	
PLAYBOY CHANNEL	148	17	31	
TV SHOP	148	17	31	
FOX KIDS	119	18	7	
NATIONAL GEOGRAPHIC	119	18	7	
GRANADA PLUS	131	19	3	
MEN & MOTORS	131	19	3	
WEATHER	127	20	60	
RACING	127	20	60	
SKY BOX OFFICE 2	127	20	60	
SKY BOX OFFICE 3	132	21	59	
SKY SCOTTISH	132	21	59	
GRANADA GOOD LIFE	142	22	58	
COMPUTER CHANNEL	142	22	58	
SKY BOX OFFICE 4	142	22	58	
CMT	138	24	51	
CHRISTIAN CHANNEL	122	26	24	
SOAP	122	26	24	
HISTORY	122	26	24	
SCI-FI	122	26	24	
TRAVEL	129	27	60	
SKY SINEMA	129	27	60	
CARTOON NETWORK	149	29	37	
TNT	149	29	37	
EUROSPORT	107	30	4	
CNN	126	31	28	

**It is important that you check that your VIDEOPLUS+ Guide Channel order stored on the VTR is the same order as your Satellite Receiver otherwise VIDEOPLUS+ programming will not work correctly.*

Control of Satellite Channels continued

Satellite Control function

Note: Some Satellite receivers may not respond to all the operations described, or may not be operated with this Remote Control. In these cases, operate the Satellite receiver using its own remote control.



Satellite Control enables you to change channels on the Satellite using the VTR Remote Control.

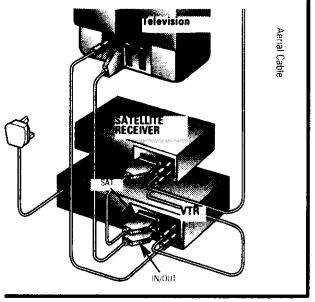
1 Press the VTR button to ensure you are in VTR mode. Press the SAT.CONT. (Satellite Control) button to switch Satellite control ON. The VTR is now in Satellite Control mode and the VTR will automatically select the Satellite Input on the VTR that you have previously set.

2 'SAT' will appear in the VTR display panel, to switch it off, press the SAT.CONT. button again.

3 Select a Satellite channel using the numbered buttons on the Remote Control. Depending on the Satellite receiver, the ways of use may differ. *For example:* to select SKY MOVIES (on channel 3) either press 0 then 3, or 0 then 3 then the ENTER button, or 0 then 3 then the ENTER button twice.

4 When you have finished press the SAT.CONT. button to switch the Satellite Control OFF. To reset the VTR to record from BBC 1, ITV etc, press the INPUT SELECT button repeatedly until a programme position number is displayed.

Some functions of the Remote Control will not work whilst in this mode. To exit this mode, press the SAT.CONT. button on the Remote Control. 'SAT' will disappear from the VTR display panel.



If the Satellite receiver has two SCART outputs, one to the VTR and another to the TV, you do not need to use this function.

To view Satellite you must select the SCART socket on the television (refer to the TV Owner's Manual).

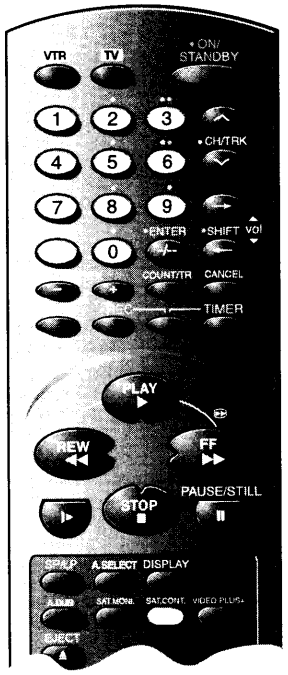
1 Press the SAT.MONI (SATELLITE MONITOR) button on the VTR Remote Control; this will loop the Satellite signal through the VTR up to the television.

2 If it has not been automatically selected, select the SCART socket on the television (refer to TV Owner's Manual).

3 To cancel press the SAT.MONI button again.

Note: If you press the MENU button on the Remote Control to display the green MAIN MENU on the TV screen the Satellite Monitor Function will cancel.

Recording from Satellite – VIDEOPlus+ DELUXE, Recording and Timer



If you have connected the VTR to a Cable system, please refer to the Cable provider for full details on how to set up using VIDEOPlus+.

If you have not followed the Satellite installation instructions as described in these *Satellite Control* pages you will NOT be able to use VIDEOPlus+.

VIDEOPlus+ SATELLITE

This gives the simplicity of VIDEOPlus+ but also allows the recording of Satellite programmes. If Satellite Control works, VIDEOPlus+ will operate in the same way, *see page 18.*

Recording can be used in the same way as described on *page 19.*

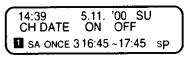
1 All you need to do is press the INPUT SELECT button on the Remote Control to select the appropriate connection.

e.g. SA for SATELLITE SCART
06 for RF channel number 6, etc.

You must ensure that the Satellite receiver is set to the required channel manually.

Timer recordings from Satellite channels can be made in the same way as described on *page 20.*

1 All you need to do is use the INPUT SELECT button on the Remote Control to select the appropriate connection:



e.g. SA for SATELLITE SCART
06 for RF channel number 6, etc.

If you have set up the Satellite Control function as described on *page 28*, you can press SAT.CONT. instead of the INPUT SELECT button. SAT.CONT. automatically selects the required Satellite channel. If you use INPUT SELECT, you must ensure that the Satellite receiver is set to the required channel manually.

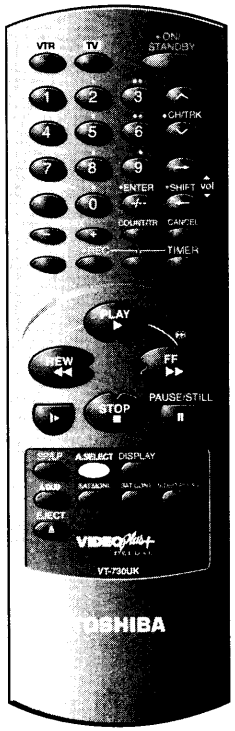
2 Press the SAT.CONT. button to display SA and enter the appropriate Channel number for the Satellite programme you wish to record using the number buttons on the Remote Control.

Hi-Fi Stereo Sound system

Selecting different audio tracks when viewing a Hi-Fi stereo recorded tape.

The VTR is capable of recording and playing sound in a number of ways. As you select the different options the display on the front of the VTR will change accordingly.

This is factory set to L + R and in most instances there will be little need to alter any of these settings.



1 Repeatedly press the A.SELECT (audio select) button on the Remote Control.

2 The output indicator on the front of the VTR will show the changes. From: L and R, L, R, *blank*, MIX L and R, and back to L and R.

3 **When the display shows both L and R:**
Audio is played from both the Left and Right Hi-Fi tracks, giving a true stereo sound.

4 **When the display shows L:**
Audio from the left soundtrack on the tape is output from the VTR.

5 **When the display shows R:**
Audio sound from the right soundtrack on the tape is output from the VTR.

6 **When the display is *blank*:**
Audio taken from the mono soundtrack is output from the VTR.

7 **When the display shows MIX L and R:**
Stereo sound taken from the Hi-Fi track PLUS the MONO 'normal audio track' is output from the VTR.

Audio Dubbing

For adding soundtracks such as narration or music to previously - recorded video tapes.

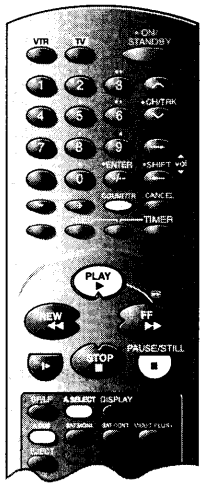
In addition to the left and right Hi-Fi audio tracks there is another soundtrack called the 'normal audio track'.

This 'normal audio track' is mono track, recorded by all VTR recorders. When you record, the VTR uses the left and right Hi-Fi tracks for the normal stereo sound, but it also records a mono version of the soundtrack on the 'normal audio track'.

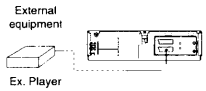
If you wish, you can record your own soundtrack onto this, the 'normal audio track' without affecting the soundtrack on the Hi-Fi.

This is ideal for putting a 'voice over onto a home movie recorded on a camcorder.

In this way, you can keep the original soundtrack. but it means you can also add your own commentary.

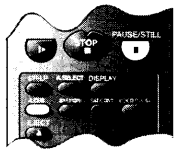


1 Connect suitable equipment *e.g.* cassette recorder to the IN/OUT (SCART) on the rear of the VTR.



2 Insert the tape to be OVER-DUBBED (the tape with the new audio track to be recorded onto).

3 Find the scene that you want to over-dub and press PAUSE/STILL on the Remote Control.

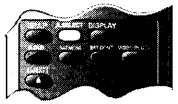


4 Press the A.DUB (audio dub) button on the Remote Control. (The screen may flicker, this is normal.)

5 Press the PAUSE/STILL button again to start both the playback and the Audio dub record.

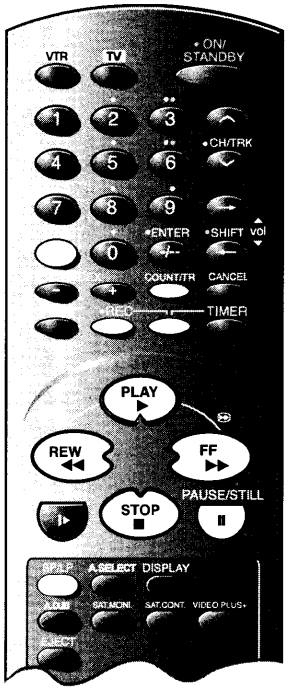
6 Play the sound from the external equipment.

7 When listening to the tape, use the A.SELECT button to select the required option.



See page 32 for the selection soundtracks.

Editing a Video Tape

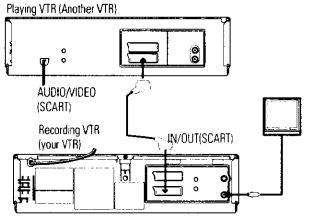


L1 (line1) SCART connection through IN/OUT (SCART 1) AUDIO/VIDEO

L2 (line2) RCA cable connection through LINE IN 2 (AUDIO/VIDEO)

SA SCART Connection through SATELLITE (SCART 2) INPUT

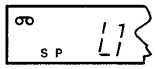
Using another VTR or external equipment, you can copy a tape.



Important
It is permissible to record television programmes only in the event that third party copyrights and other rights are not viollated.

When using the IN/OUT (SCART) socket

1 Press the I.SELECT button so that the VTR display shows "L1".



2 Press the SP/LP button to select the recording tape speed.

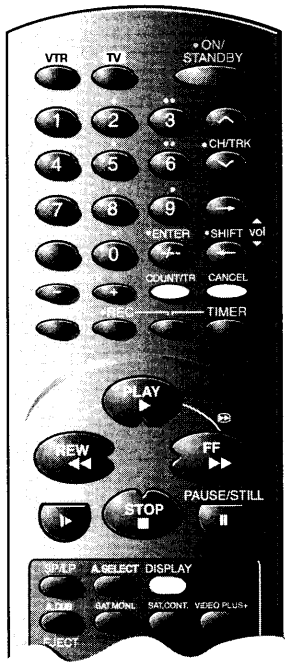
3 Play the tape on the playback VTR and pess the REC buttons to start recording on this VTR.

4 Press the STOP button on each VTR when copying is finished.

Note: The picture quality of the copied tape is slightly less than the original picture quality.

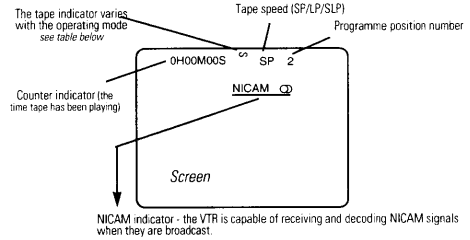
On-screen and VTR front panel displays

Pressing the DISPLAY button on the Remote Control when a tape is in PLAY will display the tape indicator on the TV screen. When you insert a tape, the counter will change from the current time to 0H00M00S. Pressing the COUNT/TR button will give you information on the VTR display panel.



Note: The counter is automatically reset to "0H00M00S" when a tape is ejected. To reset the counter at another point, such as at the beginning of a new recording, simply press the COUNT/TR and CANCEL button simultaneuslyon the Remote Control.

On Screen Displays


The tape indicator varies with the operating mode
see table below
Tape speed (SP/LP/SLP)
Programme position number
0H00M00S
SP
2
Counter indicator (the time tape has been playing)
NICAM
Screen
NICAM indicator - the VTR is capable of receiving and decoding NICAM signals when they are broadcast.

NICAM	STEREO TV programme (stereo sound)
NICAM I/II	BILINGUAL TV programme transmitted in another language (not available in the UK)
UNLIT programme	NO NICAM programme or Normal TV (Monaural sound)

Tape indicator on screen symbol		Tape indicator on screen symbol	
Ejecting a tape	⏏	Recording	●
STOP	■	Recording Pause	❚❚●
Fast-forwarding Forward picture search	▶▶	Playback	▶
		Pause/still picture Frame advance	❚❚
Rewinding Reverse picture search	◀◀	Slow Playback	▮▶

Counter – VTR Display

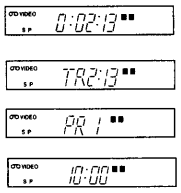
1 By repeatedly pressing the COUNT/TR button on the Remote Control, you will see:

i The time the tape has been playing.

ii TR* - the amount of tape Remaining (approx).

iii Programme position number

iV The current time



** Before the tape remaining function can work you must identity the length of tape in play - see page 21*

Index marks and Index searches

Whenever a recording starts, the VTR puts an electronic Index mark on the tape.

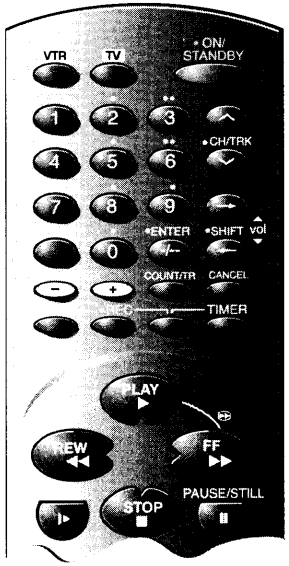
An Index search enables you to find the beginning of programmes easily and quickly.

You can put additional Index marks on a tape wherever you like, but *only during a recording.*

You cannot put in Index marks during playback of a tape.

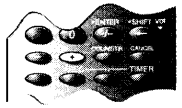
When registering Index marks, always leave at least a 1 minute gap when recording in SP and a 2 minute gap when recording in LP.

Index marks are not registered when the VTR is in pause mode during a recording.

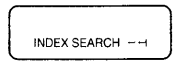


Making and finding Index marks:

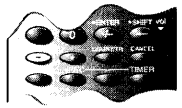
1 To register an Index mark *during recording*, simply press the INDEX + button on the Remote Control.



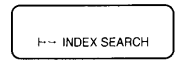
2 To find the Index marks when a tape is in playback, press the INDEX+ button to search forwards or the INDEX – button to search backwards.



3 When an Index mark is found the VTR will playback the tape for 5 seconds, after which it will continue searching for the next Index mark.



4 If you want to watch the tape from a particular Index, simply press PLAY.

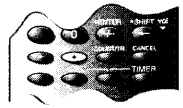


Index Skip Search:

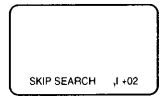
This feature will enable you to fast forward/rewind to a specific point on a tape:

E.g. if you have recorded 3 different programmes on a tape and you have rewound the tape to the beginning, by using this feature you can go directly to the start of programme 2 simply by pressing the INDEX button.

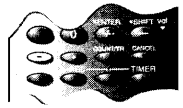
1 Press the INDEX + to start the Index search.



2 Press the INDEX + button twice more. This will take you directly to the start of the recording/index mark 2. The VTR counter will show the progress of the search.



3 These Index searches can be made forwards: (press INDEX +) or backwards: (press INDEX –).



4 To cancel an Index search simply press the PLAY or STOP button.

You can skip forward or backward a maximum of 20 Index marks.

ADDITIONAL FUNCTIONS

Multi-Brand Remote Control

The Remote Control of the VTR can be compatible with various brands of Television by setting the control codes. The TOSHIBA code has initially been set to control TOSHIBA Televisions.

For some Brands several Control Codes, or Brand Codes are allocated. Try each of them until the buttons on the Remote Control work on the Television. When the Remote Control batteries are replaced, set the Brand Code again.

BRAND CODES

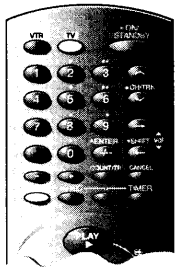
TV Brand Name	Brand Code
TOSHIBA	01, 14, 15, 16, 17, 19
AKAI	08
BANG & OLUFSEN	20
BLAUPUNKT	04
BRANDT	11
BRIONVEGA	20
CGE	19
CONTINENTAL EDISON	22
FERGUSON	11, 24, 25
FINLUX	02, 15, 20
FISHER	08
FORMENTI	20
GOLDSTAR	02
GRUNDIG	04, 15, 19
HITACHI	06, 10, 11, 22
IMPERIAL	19
JVC	07
LOWEW	02
LOEWE OPTA	02, 20
METZ	20
MITSUBISHI	02, 09, 14
MIVAR	19
NOKIA	21
NORDMENDE	10, 11, 22
PANASONIC (NATIONAL)	03, 21, 26
PHILIPS	02, 18, 20
PHONOLA	02, 18, 20
PIONEER	11, 21
RADIOLA	02, 18
RADIOMARELLI	20
REX	21
SABA	10, 11, 20, 21, 22
SALORA	21
SAMSUNG	02
SANYO	08, 14
SCHNEIDER	02
SELECO	21
SHARP	05, 14
SIEMENS	04
SINGER	20
SINUDYNE	20
SONY	13, 14
TELEAVIA	11
TELEFUNKEN	11, 24
THOMSON	10, 11, 22
WEGA	20
YOKO	02

See the table opposite for the Television Brand Codes.

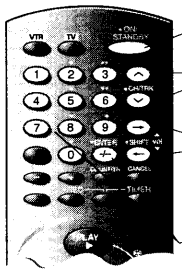
1 Press the TV button on the Remote Control.

2 Hold down the TV button on the Remote Control and enter the two digits of the TV's Brand Code using the number buttons.

3 Release the TV button.



4 With the Remote Control pointing at the Television use each button listed below to ensure that the TV is operated correctly:–



ON/STANDBY:
Turns to Television on or off.

CH/TRK:
Selects the TV channels up or down.

VOL:
Adjusts the sound level.

Number Buttons and ENTER-/--:
To select TV channels. The way of use may differ with varying models of televisions.

E.g. ***To select Channel 3:***
Press number buttons 0 3
or
Press number buttons 0 3 and the ENTER button
or
Press the ENTER button and the number button 3.

To select Channel 16:
Press number buttons 1 6
or
Press number buttons 1 6 and then the ENTER button
or
Press the ENTER button twice and then the number buttons 1 and 6.

Note: Some TVs may not respond to all the operations listed above or may not be operated at all with the VTR Remote Control. In which case operation of the TV will have to be by its own Remote Control.